

# WEST Search History

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DATE: Thursday, November 09, 2006

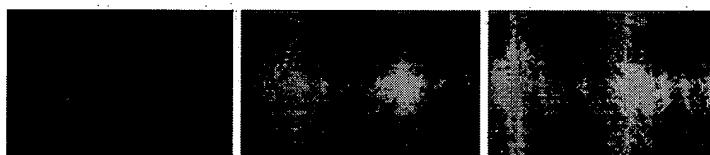
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<i>DB=USPT,EPAB,JPAB,DWPI; THES=ASSIGNEE; PLUR=YES; OP=ADJ</i>			
<input type="checkbox"/>	L34	L33 and quaternary ammonium and (sodium hydroxide or sodium hydrogen carbonate or sodium bicarbonate or sodium carbonate)	21
<input type="checkbox"/>	L33	(translucent or transparent) same (print paste or dye) and (textile or garment or fabric) and etching	286
<input type="checkbox"/>	L32	(two tone or two-tone) same (textile or garment or fabric) and etching	0
<input type="checkbox"/>	L31	(two tone or two-tone) with (textile or garment or fabric) and etching	0
<input type="checkbox"/>	L30	L29 and ((fabric or textile) with synthetic or polyester or taffeta)	4
<input type="checkbox"/>	L29	L28 and (sodium hydroxide or sodium hydrogen carbonate or sodium bicarbonate or sodium carbonate)	12
<input type="checkbox"/>	L28	L25 and etching	20
<input type="checkbox"/>	L27	L25 and etching and quaternary ammonium and (sodium hydroxide or sodium hydrogen carbonate or sodium bicarbonate or sodium carbonate)	0
<input type="checkbox"/>	L26	L25 and etching and ((translucent or transparent) with (printing or dyeing)) and quaternary ammonium and (sodium hydroxide or sodium hydrogen carbonate or sodium bicarbonate or sodium carbonate)	0
<input type="checkbox"/>	L25	L22 NOT L23	85
<input type="checkbox"/>	L24	((printing or dyeing) same quaternary ammonium) and etching same (sodium hydroxide or sodium hydrogen carbonate or sodium bicarbonate or sodium carbonate)	11
<input type="checkbox"/>	L23	transparent printing developer	2
<input type="checkbox"/>	L22	transparent with printing with developer	87
<input type="checkbox"/>	L21	((translucent or transparent or opaque or two tone or two-tone) same quaternary ammonium) and etching same (sodium hydroxide or sodium hydrogen carbonate or sodium bicarbonate or sodium carbonate)	0
<input type="checkbox"/>	L20	((translucent or transparent or opaque or two tone or two-tone) same quaternary ammonium) and etching with (sodium hydroxide or sodium hydrogen carbonate or sodium bicarbonate or sodium carbonate)	0
<input type="checkbox"/>	L19	((translucent or transparent or opaque or two tone or two-tone) with quaternary ammonium) and etching with (sodium hydroxide or sodium hydrogen carbonate or sodium bicarbonate or sodium carbonate)	0
<input type="checkbox"/>	L18	(transparent with quaternary ammonium) and etching with (sodium hydroxide or sodium hydrogen carbonate or sodium bicarbonate or sodium carbonate)	0
<input type="checkbox"/>	L17	(transparent with quaternary ammonium) and etching with (sodium hydroxide or sodium hydrogen carbonate or sodium bicarbonate or sodium carbonate) and print paste	0
<input type="checkbox"/>	L16	silk screen printing and etching and quaternary ammonium and (sodium hydroxide or sodium hydrogen carbonate or sodium bicarbonate or sodium carbonate) and ((fabric or textile) with synthetic or polyester or taffeta)	9
<input type="checkbox"/>	L15	L14 and etching same (sodium hydroxide or sodium hydrogen carbonate or sodium bicarbonate or sodium carbonate)	0

<input type="checkbox"/> L14	etching and ((translucent or transparent or opaque or two tone or two-tone) with (print paste or dye)) and quaternary ammonium and (sodium hydroxide or sodium hydrogen carbonate or sodium bicarbonate or sodium carbonate) and ((fabric or textile) with synthetic or polyester or taffeta)	15
<input type="checkbox"/> L13	etching and ((translucent or transparent or opaque or two tone or two-tone) with (print paste or dyeing)) and quaternary ammonium and (sodium hydroxide or sodium hydrogen carbonate or sodium bicarbonate or sodium carbonate) and ((fabric or textile) with synthetic or polyester or taffeta)	3
<input type="checkbox"/> L12	L8 and etching same (sodium hydroxide or sodium hydrogen carbonate or sodium bicarbonate or sodium carbonate)	11
<input type="checkbox"/> L11	L8 and etching same ((fabric or textile) with synthetic or polyester or taffeta)	2
<input type="checkbox"/> L10	etching same ((fabric or textile) with synthetic or polyester or taffeta)	2068
<input type="checkbox"/> L9	etching same((fabric or textile) with synthetic or polyester or taffeta)	2068
<input type="checkbox"/> L8	etching and ((translucent or transparent or opaque or two tone or two-tone) with (printing or dyeing)) and quaternary ammonium and (sodium hydroxide or sodium hydrogen carbonate or sodium bicarbonate or sodium carbonate) and ((fabric or textile) with synthetic or polyester or taffeta)	57
<input type="checkbox"/> L7	L4 and etching same quaternary ammonium	7
<input type="checkbox"/> L6	L5 and etching same quaternary ammonium	0
<input type="checkbox"/> L5	(process or method) same ((translucent or transparent or opaque or two tone or two-tone) with (printing or dyeing) and etching)	792
<input type="checkbox"/> L4	(process or method) same (translucent or transparent or opaque or two tone or two-tone)	163085
<input type="checkbox"/> L3	L2	11
<i>DB=PGPB,USPT,EPAB,JPAB,DWPI; THES=ASSIGNEE; PLUR=YES; OP=ADJ</i>		
<input type="checkbox"/> L2	L1 and (printing same etching)	33
<input type="checkbox"/> L1	etching and ((translucent or transparent) with (printing or dyeing)) and quaternary ammonium and (sodium hydroxide or sodium hydrogen carbonate or sodium bicarbonate or sodium carbonate)	104

END OF SEARCH HISTORY

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## **Smaller runs, larger formats**

Silk-screen printing is widely used today for a large array of display materials where the final print run is not large. It is also suitable for large posters and sheets that would be impractical to run on a traditional offset press and for a wide variety of large, thick or heavy materials. At CJPW we have used this process for small-run signs and posters.

## **Four-color process silk-screen**

Silk screen printing can be used for four-color process and "dot-less" color blends. Inks are also available with sparkle glitter as well as in metallic formulations. Many multiple-color, very fine quality art posters are silk-screened.

## **The silk-screen process**

The silk-screen process begins with a film positive output from a digital file. The positive is converted into a woven fabric ("silk") photoscreen which is mounted on a large hinged frame below which the material to be screened has been positioned. The frame is lowered onto the stock, and the silk-screen paint, or ink, is squeegeed through the open image areas of the photoscreen. The product is then placed on special racks to dry.

## **First silk, now polyester**

The original material used in the screening process was silk, a multi-filament material, the weave of the fabric, allowing passage of the "paint" onto the stock surface. Today polyester, a monofilament material, is the fabric of choice, improving both the quality of the finished product, registration; and ink flow.

Because silk-screen inks are exceptionally opaque, they offer excellent coverage qualities, a very desirable characteristic given the limitless amount of materials and surfaces that can be silk-screened. Silk-screen inks can be transparent or translucent with finishes ranging from flat to high gloss.

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